

CLAIMS

1. A terminal (20) of a cellular network, which terminal has a transmitter (23), a receiver (22), a control unit (24) and an user interface (26), as well as means for utilizing radio frequency WLAN properties, wherein the activity state of said radio frequency WLAN utilization in the terminal is arranged to control the level of the WLAN power save mode wherein active WLAN utilization is arranged to decrease said level of the power save mode and/or less active WLAN utilization is arranged to increase said level of the power save mode.
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2. A terminal of claim 1, wherein the position of the terminal's protective lid or opening mechanism is arranged to define the activity state of WLAN utilization.
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3. A terminal of claim 1, which comprises a keypad which is arranged to be locked and the state of the keypad lock is arranged to define the activity state of WLAN utilization.
4. A terminal of claim 1, which comprises a display which is arranged to utilize a screen saver and the state of the screen saver is arranged to define the activity state of WLAN utilization.
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5. A terminal of claim 1, wherein user input for any of the devices or lack of it for a chosen period of time is arranged to define the activity state of WLAN utilization.
- 20 6. A terminal of claim 5, wherein said user input is received by one of the following acts on the terminal: a touch on a key, keypad or touch sensitive display, opening or closing of a lid or an opening mechanism of the terminal, or a specific sound input on the terminal's microphone or like.
7. A terminal of claim 1, wherein selection or starting of an application using WLAN in the terminal is arranged to define the activity state of WLAN utilization.
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8. A terminal of claim 1, wherein the amount of WLAN data communication is arranged to define the activity state of WLAN utilization.
9. A device arrangement comprising a first device (30) of a cellular network, which device has a transmitter (33), a receiver (32) and a control unit (34), as well
30 as means for utilizing Bluetooth properties, and a second device (38) having an user interface (36) and means for utilizing Bluetooth properties arranged to communicate with the first device (30) by Bluetooth, wherein the activity state of the user inter-

face utilization in the second device is arranged to control the level of the Bluetooth power save mode wherein active user interface utilization is arranged to decrease said level of the power save mode and/or less active user interface utilization is arranged to increase said level of the power save mode.

- 5 10. A device arrangement of the claim 9, wherein the first device comprises also means for utilizing WLAN properties.
11. A device arrangement of the claim 9 or 10, wherein said user interface is remote from the first device to the second device.
- 10 12. A device arrangement of any of the claims 9–11, wherein said activity state of the user interface utilization is defined by the state of at least one of the following in the second device: the lock state of a lockable keypad, the lock state of a lockable touch sensitive display, the state of a screensaver, the lock state of a lockable screensaver and the state of a lid or an opening mechanism of the device.
- 15 13. A device arrangement of any of the claims 9–11, wherein said activity state of the user interface utilization is defined by user input on the second device or lack of it for a chosen period of time
- 20 14. A device arrangement of the claim 13, wherein said user input is received by one of the following acts on the second device: a touch on a key, keypad or touch sensitive display, opening or closing of a lid or an opening mechanism of the second device, or a specific sound input on the device's microphone or like.
15. A device arrangement of the claim 9 wherein said activity state of the user interface utilization is defined by selection or starting of an application using Bluetooth in a menu or like in the second device.
- 25 16. A device of cellular network comprising means for utilizing Bluetooth properties arranged to communicate by Bluetooth with a second device comprising means for utilizing Bluetooth properties and an user interface, wherein the activity state of the user interface utilization in the second device is arranged to control the level of the Bluetooth power save mode, wherein active user interface utilization is arranged to decrease said level of the power save mode and/or less active user interface utilization is arranged to increase said level of the power save mode.
- 30 17. A device of the claim 16, which comprises also means for utilizing WLAN properties.

18. A device of the claim 16 or 17, wherein said user interface in the second device is remote from said device of cellular network.

19. A device of any of the claims 16–18, wherein said activity state of the user interface utilization is defined by the state of at least one of the following in said second device: the lock state of a lockable keypad, the lock state of a lockable touch sensitive display, the state of a screensaver, the lock state of a lockable screensaver and the state of a lid or an opening mechanism of the device.

20. A device of any of the claims 16–18 wherein said activity state of the user interface utilization is defined by user input on the second device or lack of it for a chosen period of time

21. A device of the claim 20, wherein said user input is received by one of the following acts on the second device: a touch on a key, keypad or touch sensitive display, opening or closing of a lid or an opening mechanism of the second device, or a specific sound input on the device's microphone or like.

22. A device of any of the claims 16–18, wherein said activity state of the user interface utilization is defined by selection or starting of an application using Bluetooth in a menu or like on the second device.

23. A device comprising an user interface and means for utilizing Bluetooth properties arranged to communicate by Bluetooth with a terminal of cellular network comprising means for utilizing Bluetooth properties, wherein the activity state of the user interface utilization in said device is arranged to control the level of the Bluetooth power save mode wherein active user interface utilization is arranged to decrease said level of the power save mode and/or less active user interface utilization is arranged to increase said level of the power save mode.

24. A device of the claim 23, wherein said user interface is remote from said terminal of cellular network.

25. A device of the claim 23 or 24, wherein said activity state of the user interface utilization is defined by the state of at least one of the following in the device: the lock state of a lockable keypad, the lock state of a lockable touch sensitive display, the state of a screensaver, the lock state of a lockable screensaver and the state of a lid or an opening mechanism of the device.

26. A device of the claim 23 or 24, wherein said activity state of the user interface utilization is defined by user input on the second device or lack of it for a chosen period of time

27. A device of the claim 26, wherein said user input is received by one of the following acts on the device: a touch on a key, keypad or touch sensitive display, opening or closing of a lid or an opening mechanism of the device, or a specific sound input on a microphone or like.

28. A device of the claim 23 or 24, wherein said activity state of the user interface utilization is defined by selection or starting of an application using Bluetooth in a menu or like on the device.

29. A method for controlling the power saving properties of short range wireless radio frequency communication between a first device and a second device in order to increase the operative life of the batteries in any of the devices wherein at least one of the devices utilizes also cellular phone technology, wherein the activity state of the utilization of said short range radio frequency wireless communication in one of the devices defines the level of the power save mode of said short range wireless communication wherein active utilization of said short range wireless communication will decrease said level of the power save mode and/or less active utilization of said short range wireless communication will increase said level of the power save mode.

30. A method of the claim 29, wherein said short range wireless communication comprises WLAN communication.

31. A method of the claim 29 or 30, wherein said short range wireless communication comprises Bluetooth communication.

32. A method of any of the claims 29–31, wherein said activity state of the utilization of said short range wireless communication in one of the devices is defined by the state of user interface utilization in any of the devices.

33. A method of the claim 32, wherein the state of said user interface utilization is defined by the state of at least one of the following in the device: the lock state of a lockable keypad, the lock state of a lockable touch sensitive display, the state of a screensaver, the lock state of a lockable screensaver and the state of a lid or an opening mechanism of the device.

34. A method of the claim 32, wherein the state of said user interface utilization is defined by user input on the second device or lack of it for a chosen period of time
35. A method of the claim 34, wherein said user input is received by one of the following acts on the device: a touch on a key, keypad or touch sensitive display, 5 opening or closing of a lid or an opening mechanism of the device, or a specific sound input on a microphone or like.
36. A method of the claim 32, wherein the state of said user interface utilization is defined by selection or starting of an application using said short range wireless communication in a menu or like on the device.
- 10 37. A method of the claim 29, wherein the level of data transfer of said short range wireless communication defines the activity state of the utilization of said short range wireless communication.